TRANSMISSION USER'S MANUAL
RSD 5 SPEED & 6 SPEED

Please you must read this instruction sheet to use transmission correctly and safely before using this transmission

☞ You must use this transmission for applicable model only Modification or application of transmission for specific model is subject to effect to safety or durability. You may not get any compensation for defect or sccident caused by modification or application of transmission for specific model

☞ Described specification in this instruction sheet is subject to change without any notification

☞ Please keep this instruction sheet in where always you can see after reading.

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SAFETY GUIDE

1. INSTRUCTION

Please know well below cautions to avoid accident in advance caused by unusal installation or modification

2. WARNING, CAUTION

⚠WARNING – these mean there is something that could be seriously injured, If you ignore this symble and use incorrectly

⚠CAUTION – These mean there is something that could be slightly injured or property damage to you, if you ignore this symbol and use incorrectly

3. NOTIFICATION FOR SAFETY

⚠WARNING

● When you repair or install/disassemble the transmission, please off starting key and fix your motorcycle on the lift

● firmly. Otherwise, there is something that could be danger for sudden starting.

● Don't use any other parts for repair except permitted parts. Don't assemble other's parts and use either. Don't change or modify at discretion like belt for power transfer, wide tire, frame, there is something that could be danger for damage or accident.

⚠CAUTION

● Please be careful not to be contacted your hand, body to hot transmission after driving. There is something that could be danger for a burn

● Don't serious impact transmission when carry or install. There is something that could be damaged.

● Please use forklift or carriage for moving transmission. Please be careful your waist when you lift up by hand.

● Please change transmission oil at 500 miles for first change, and every 5000miles from second time. Please check oil level with dipstick

- Cont-

TRANSMISSION HANDLING INSTRUCTION

1. TRANSMISSION SPECIFICATION

☞ MODEL : RIGHT SIDE DRIVE

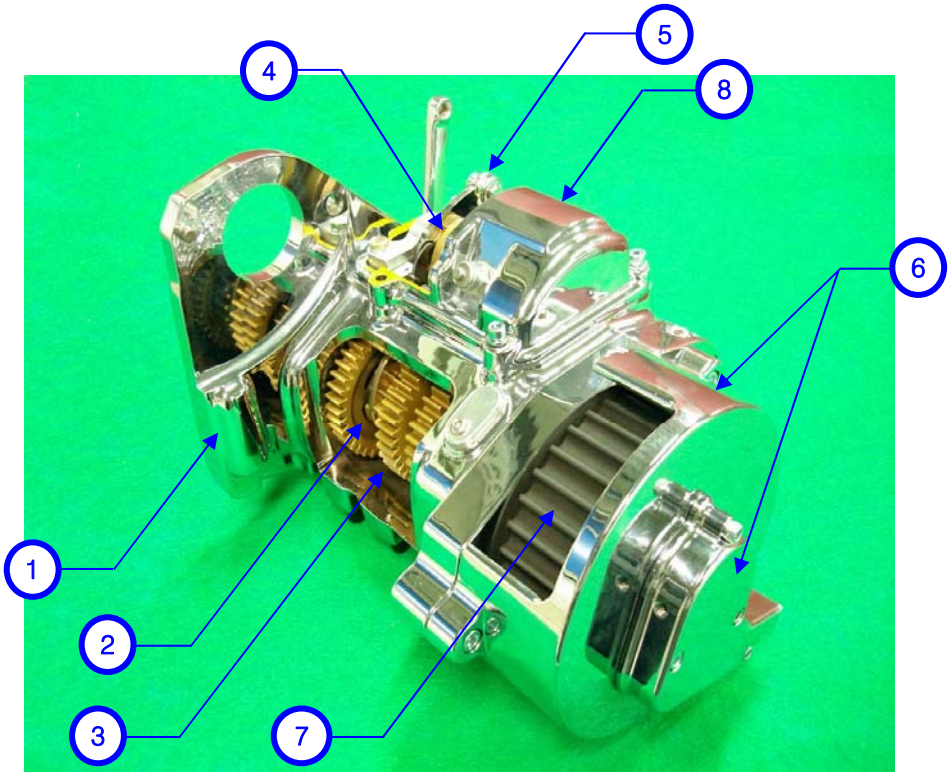
☞ SPEED : 5 SPEED or 6 SPEED

☞ APPLICABLE ENGINE TORQUE : 1500cc ~ 1800cc

☞ APPLICAPABLE MODEL : CUSTOM RSD

☞ WEIGHT : 5speed transmission 43.9 Lbs

6speed transmission 45.1 Lbs



① CASE ASSEMBLY

② FORK ASSEMBLY

③ GEAR KIT ASSEMBLY

④ CAM ASSEMBLY

⑤ PAWL ASSEMBLY

⑥ PULLEY COVER & RAMP COVER ASSEMBLY

⑦ SPROCKET ASSEMBLY

⑧ TOP COVER ASSEMBLY

2. Inspection, carriage, storage

2-1) Inspection

(1) Please check condition immediately when you receive transmission.

(2)Please confirm that the model you received is same as what you ordered and basic inspections like mainshaft running, leakage. If you have any problem on our parts, please contact where you purchased or DAE POONG U.S.A

2-2) Carriage

⚠CAUTION

- Please use forklift or cart to move transmission. Please be careful your waist when you lift by hand.
- Don't shock to part when you carry or install. There is something that could be damaged.

- Cont-

2-3) Storage

(1) Please keep transmission in where there in no vibration, a little change of temperture and clean, dried, well ventilated. If you keep for long term, please keep as below.

(2)Please rotate mainshaft over 5 minutes in a time every month to proof against rust.

(3)It has been sprayed not to be rusted when you receive, but there is something that could be rusted depends on keeping condition. Accordingly, please check regularly.

3. INSTALLATION

3-1) Preparation of installation on transmission frame

⚠WARNING

- When a part delivery, it is clean and is maintaining the best condition.
  Don't disassemble or repair except end cover disassemble for cable connection
  Don't assemble other's parts and use either.
  Don't change or modify at discretion like belt for power transfer, wide tire, frame,
  there is something that could be danger for damage or accident.
- When you repair or install/disassemble the transmission, please off starting key and fix your motorcycle on the lift firmly.
  Otherwise, there is something that could be danger for sudden starting.

(1) Please use carriage for transmission transfer and must lock up a frame or vechle firmaly before transmission installation

(2)Please install on a frame with confirmation of transmission direction. Please pay attention for parts defect when installation

3-2) Cable Connection (Please refer the Figure – 1 and follow below order for cable connection)

(1) Please untie DRAIN SCREW ④ and exhaust oil.

(2) Disassemble Ramp Cover from TM ASS'Y.

(3) Put Clutch Cable into Ramp Cover through ①.

(4) Disassemble Inner & Outer Ramp.

(5) Disassemble Coupling ③ from Inner Ramp.

(6) Assemble Clutch Cable onto Coupling ③.

(7) Assemble Coupling with Inner Ramp.

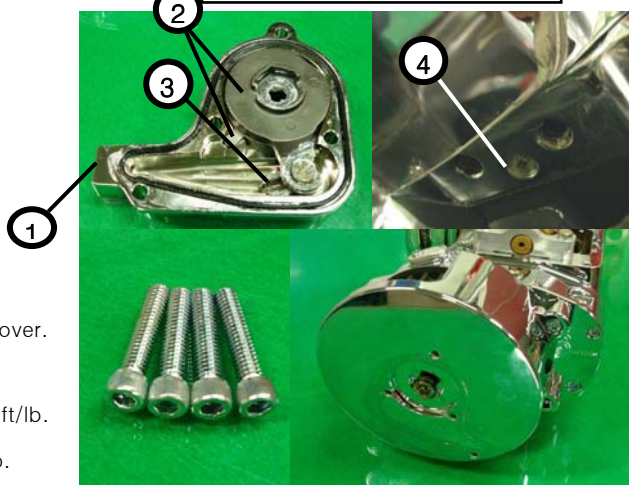
(8) Assemble Inner Ramp ② onto RAMP COVER.
At this time, please check there is Oil Seal on Ramp Cover.

(9) After Checking Oil Seal and assembling Ramp Cover,
tighten Bolt with smearing proper Loctite with 10 ~ 12 ft/lb.

(10) Tighten Clutch Cable assembled at ① with 3 ~ 5 ft/lb.

(11) After tightening Drain Screw ④ with 7 ~ 9 ft/lb. and fill with Oil. **(Refer the article 2-3)**

Figure -1 END COVER ASS'Y

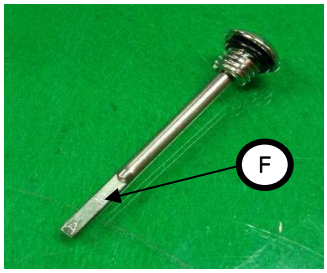


3-3) Instrcution for Oil Change (Refer the Figure – 3)

⚠CAUTION

- Please exchange transmission oil after 500 miles riding for first replace and every 5000 miles from second time.
- Please use oil that is only for transmission.

Figure -3 PLUG GAUGE



Please replace with new oil as following description.

(1) Remoe Drain Screw under Trap Door and exhaust oil completely
Tighten Drain Screw with 7~9 ft/lb torque
after Cleaning the surface on Drain Screw and winding Teflon

- Cont-

(2) Fill Oil until 'F' scale after removing Plug Dipstick with Oil about 20 ~ 24 oz

(3) Tighten Plug Dipstick completely.

⚠CAUTION

- After holding vehicle on horizontally, please check there is proper oil level with Dipstick's scale.

  Please confirm the scale without Dipstick doesn't join(Screw doesn't hang on)

4 Management process when a trouble is occured.

4-1) In case of gear shifting doesn't work well or wrong.

⚠WARNING

- Must inspect and repair with repair man for below matter. There is a danger for a trouble.

(1) Please check if a clutch diversion works properly.

IF the diversion isn't proper, please regulate "Adjuster" of clutch cable.

(2) Please turn Adjuster Screw of transmission within 90° and confirm shifting state with every level.

(3) If a gear shifting doesn't improve after doing above process, please confirm if there is a abrasion or bent on working surface of Adjuster Screw. If so, please change Adjuster Screw.

4-2) In case of noise problem

(1) Please confirm fluid levels on transmission oil.

(2) If there is nothing wrong with fluid level, the noise may be from bearing abrasion or improper installation. Please contact us or professional motorcycle technician and inspect or repair the transmission.

4-3) In case of oil leaking is occured.

(1) Please confirm if there is a damage of Gasket,

(2) Please confirm if there is looseness of bolt.

(3) Please confirm if there is a damage on oil seal area.

5. A/S Request form

Serial No.		Purchasing Date	
Tire Size		Purchasing Compamy	
Miles at Trouble		Kind of Primary	

Please fill above request form out and send us thru below fax no. or our website (www.roadmax.net)

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